

Weekly Report

3/01/2019 – 16/01/2019

I will update about CCTV UK project of the last two weeks. I will start with the overview of our team first. In my opinion, we are working hard. We often have a meeting at 10 PM with the UK. Moreover, often our visualization team text me after 12 AM - 3 AM to send the design, coding, visualization result, discuss the problems those I will explain next. Except for the night time, the day time we are working too. We work under time pressure because of the project timeline overlap with the end of the semester, final reports and examination weeks. Moreover, in the next two weeks, we will face the long vacation of Chinese New Year. However, regarding our progress, I think I satisfy about the process, please see the table below.

Task	Sub-Task	PIC1	Progress	VIS techniques
NewsWordFrequencyAnalysis*	Visualize word proportion of each newspaper	XVYING	Assigned	N/A
SpeechWordFrequencyAnalysis*	Visualize the speech of Churchill and Hitler	XVYING	Implementing	Wordcloud with Shape
Media Coverage	Visualize the media coverage data of table 1.1	SIYI	Done V1	Stackbar
	Visualize the media coverage data of figure 1.1	SIYI	Done V1	Line
YouGov poll	Visualize the YouGov poll	XINYI	Implementing	N/A
Google Trends	Visualize the Google Trends	XINYI	Modifying	Line
British Empire Map	Visualize the British Empire Map over time	SIYI	Assigned	Map
TweetsMining*	Visualize 4 topics relate Brexit (Economy, Immigration, Irish, Scotland)	LINHAO	Done V1	Stream
	Visualize hashtag frequency	LINHAO	Redesign	N/A
NewsTextMining*	Visualize the top 100 keywords of Leave and Remain Group (probability)	XVYING	Adding NEWS script	Wordcloud

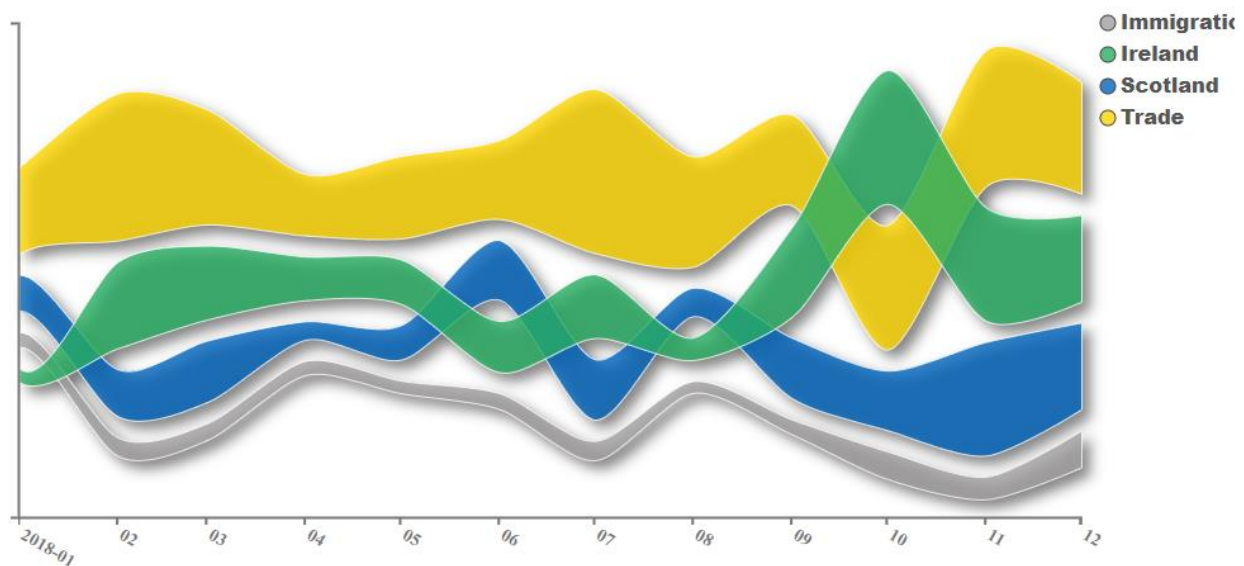
About the meaning of the progress as followed, "Assigned" means I already assigned to the person in charge (PIC) based on discussion of me and the PIC. "Implementing" means we are implementing the visualization, after this stage, it will change to "Modifying" or "Redesign." the "Modifying" means the visualization was implemented but need to wait for the UK to tell it needs to modify or not. the "Done V(number of versions)" means the stage after the "Modifying" and wait to add the NEWS script from the UK into the code of visualization. Back to "Redesign," it does not often occur, because this stage it means we have to back to talk with data collection team and wait for the new data and need to redesign our visualization the new data, it often when the UK's requirements changed. The last one is "Adding NEWS script" is we are adding the NEWS script the UK need to report on the TV to our visualization such as set time, stopping, long playing, and etc.

Let move to the problems we faced and facing. The issues we encountered and solved are the number of visualizations we have to do, the human resources. The number of visualizations that we have to produce is 10. and the resources we have now we can handle with ten visualizations. the process that we are doing is let each PIC to design based on discussing with data collection team, the UK and me, then talk with Ms. Zhang and me. After sent the design to the UK to confirm before implementation and we use Github for tracking the project. After the implementation, we will discuss the functional features first then sent to the UK to check the functional and non-functional features. If we have to change anything we will back to the stage I mentioned above. If it is OK, the UK will send us the NEWS script to adding in the code.

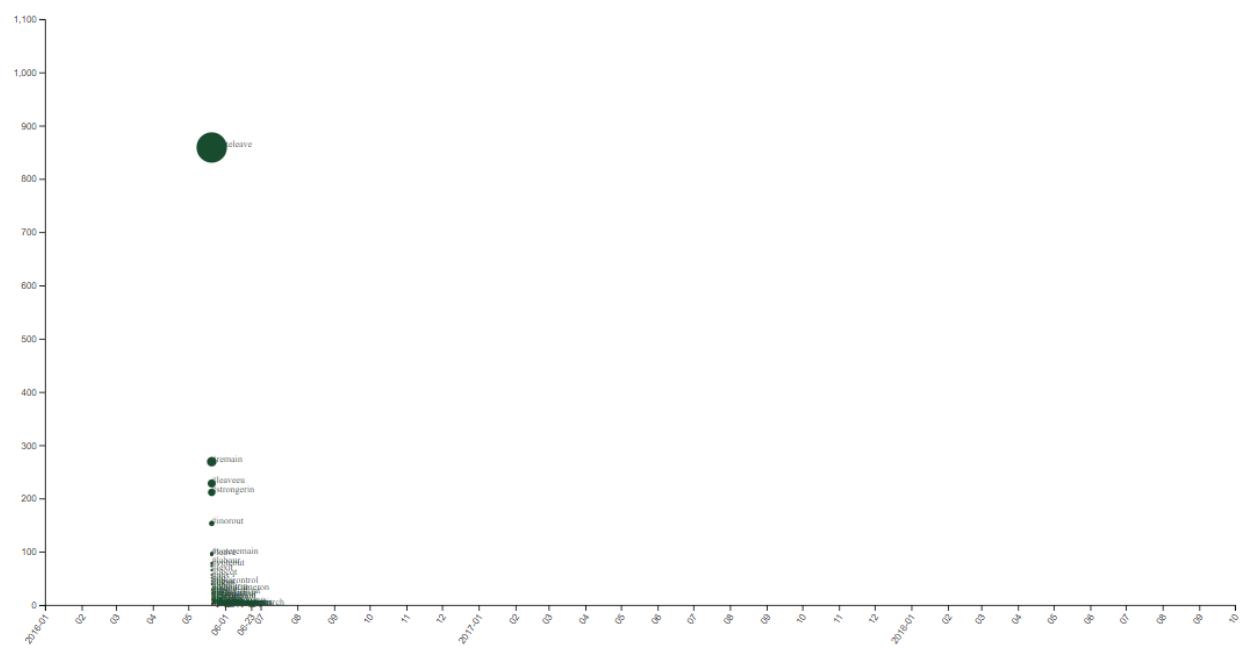
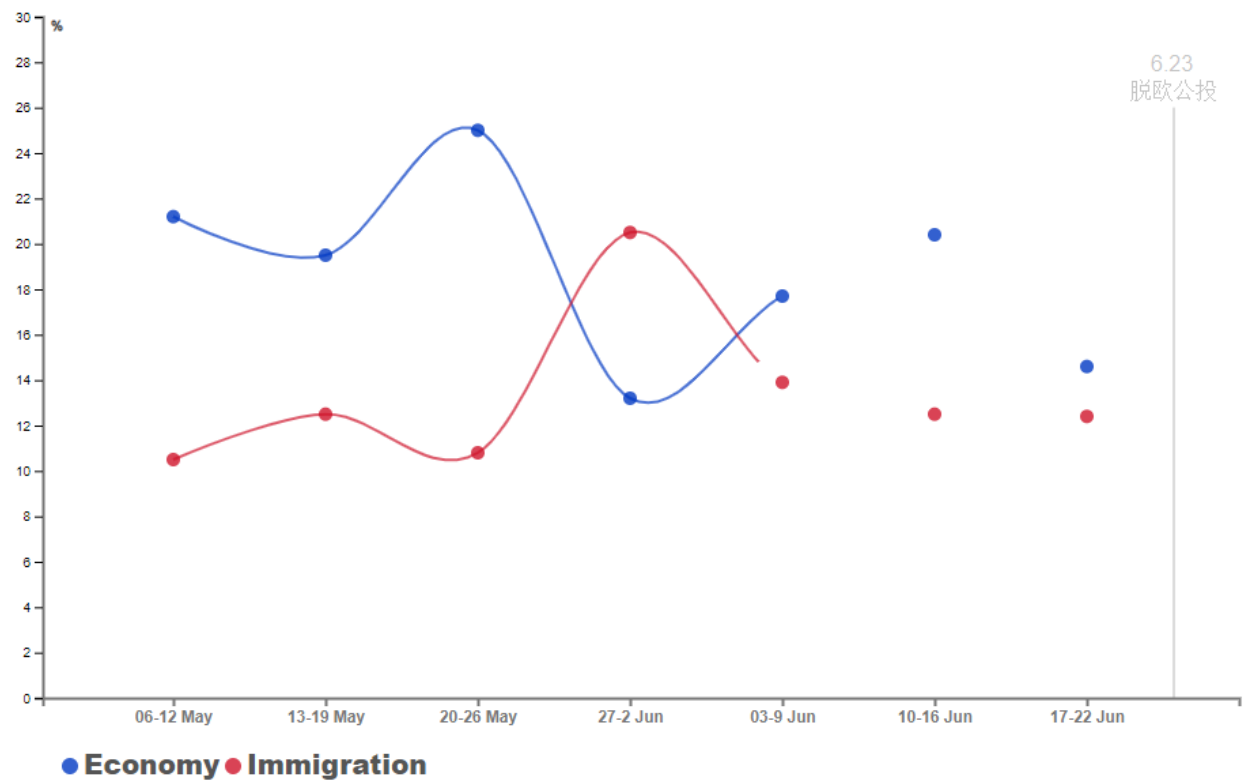
Regarding the problems, we can't solve yet. Even we try many ways to extract/export/save/download the animated SVG, but all do not work. There is only one flow to play with SVG that creates an animated SVG or a still SVG with Adobe premiere tools then export it as the SVG file then import to the web. However, there is no the reverse way to do from animated SVG by coding then save as an animated SVG file to open on Adobe premiere tools for production, all the way we found is to save as a still SVG file.

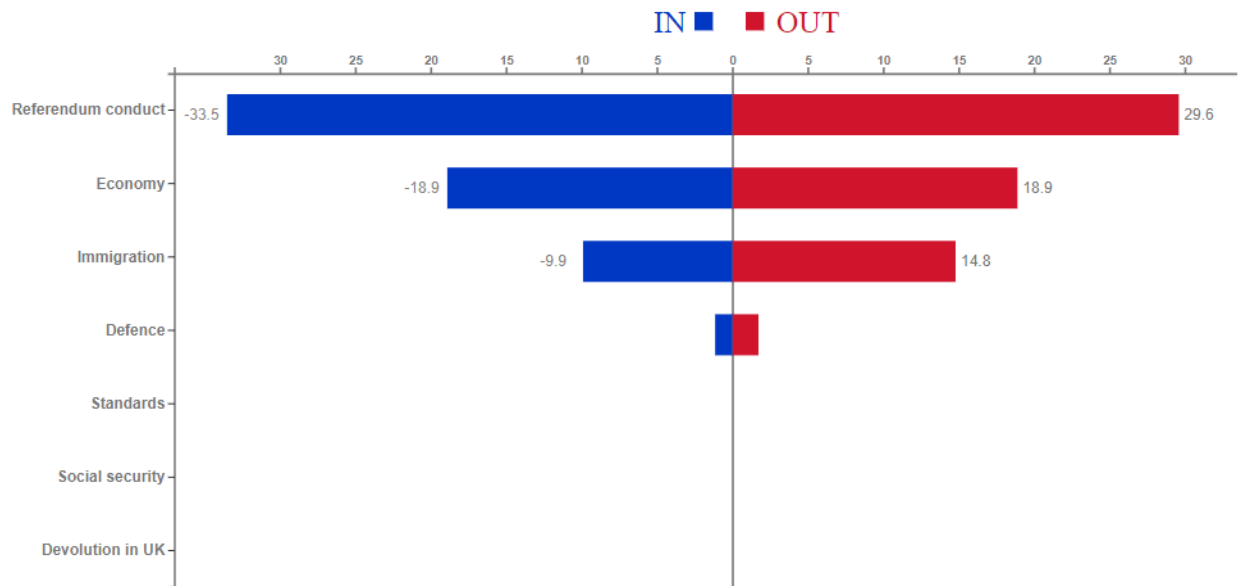
Recently we try 4K recording by ourselves the screen and sent to the UK, but it still does not work, they mentioned as a simple one with only 4 rivers (stream), takes time to capture (make a video production) but the current one (in the UK team) is not dealing with 4k with their workstation. So now we are trying to save the still SVG as for each second with framerate 25 frames/second from our web or try the last way we found today about how to export d3.js animation to vector frames to create an After Effects sequence. If this way is workable, we will send the UK team again anyway, if both are not workable. The UK team will find the graphics company to deal with it, and I will let them talk to you directly.

PS. about Tianyi I already added her WeChat, may I have questions I will ask her to help if possible. Because the way she did in the link you sent me WeChat is just 1K video recording, she told me, the way to record as we do but she did it automatically, anyway the background still not transparent or Alpha Channel to the video production.



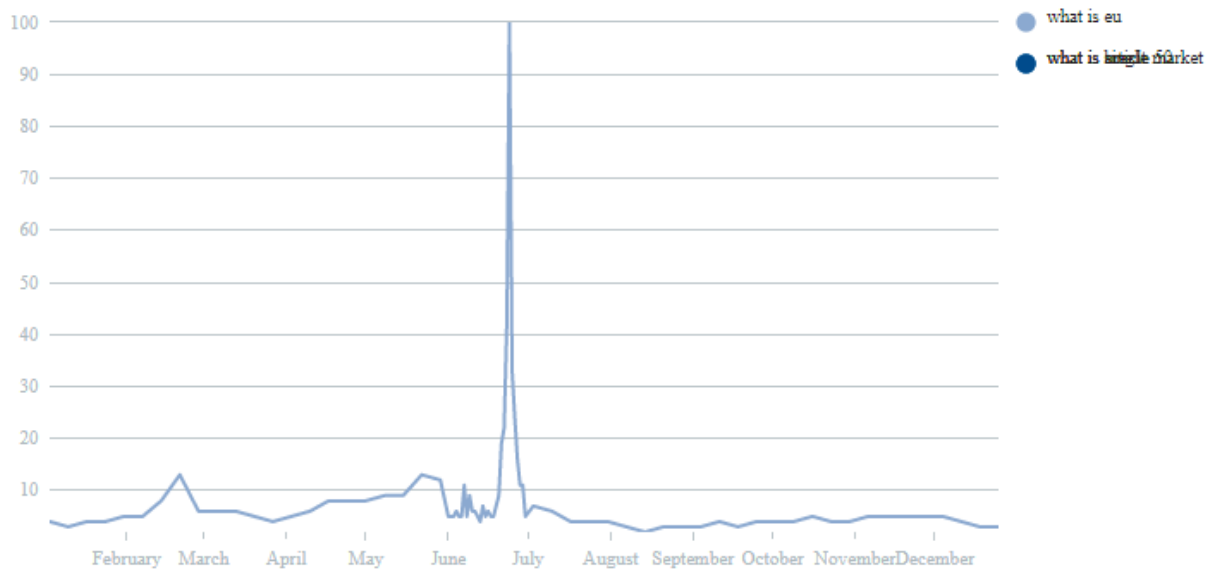
NOPTANIT CHOTISARN





Google Trends

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Source: Google Trends